



TRADE-WIND

CLIPPER BLOWERS

27
TR

THE BEST VENTILATING EQUIPMENT
FOR ALL SMALL ROOMS

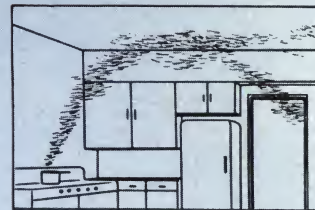
TRADE WIND "CLIPPER"
A.I.A. File 30-D-1 Electric Ventilators
Bulletin 620F — October, 1951

FIVE REQUISITES FOR SUCCESSFUL KITCHEN AND SMALL ROOM VENTILATION

1

*develop suction
at the highest
point in the
hot zone*

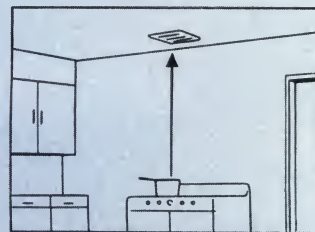
The natural law of convection, that heated air rises, means that in the kitchen the cooking heat, grease and odors are carried to the ceiling and unless drawn off *at the highest level* will blanket down to a doorway or other opening where they will drift through the house. Think of a room as a bathtub in reverse. The reason the tub drains completely is because the drain is at the lowest point. Turn this upside down and it becomes evident why it is necessary to install a room ventilator at the *highest* point to get rid of all contaminated air. Wall fans, for example, will quickly exhaust only the hot air up to the height where they are installed. The same principles hold true in any other room or enclosure. Forced air ventilation *at ceiling level* is the only practical way the entire hot zone blanket can be quickly removed.



2

*locate ventilating
unit directly
above stove*

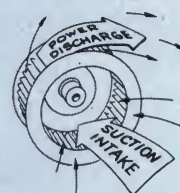
When you install a Trade-Wind Clipper the most effective results can be obtained by locating it *in the ceiling directly above the source of the heat*. Thus, as the heat, grease and odors rise from the stove, the Clipper instantly catches them and expels them out-of-doors *before* a hot zone blanket can develop. Where a Clipper is installed in some other location its efficiency is cut down and the greasy, smoke-laden air will spread out along the ceiling before it can be caught.



3

*use a centrifugal
blower for
maximum efficiency*

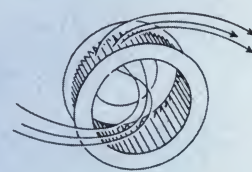
Unlike the familiar household blade-type fan, the Clipper incorporates a scientifically designed blower wheel which moves a large volume of air through a duct under pressure—the pressure being necessary to overcome the resistance set up by the walls, elbows and other obstructions in the duct.



4

*for minimum
noise use a
blower wheel*

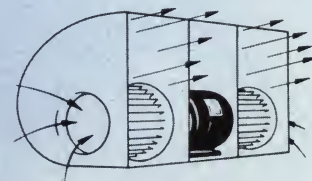
Far less objectionable noise is created by a centrifugal blower wheel, working against pressure, than by a propeller type fan. Air flows smoothly and quietly through the blower mechanism with a minimum of turbulence. With a propeller, the air is sharply cut by the blades, creating turbulence and resulting noise.



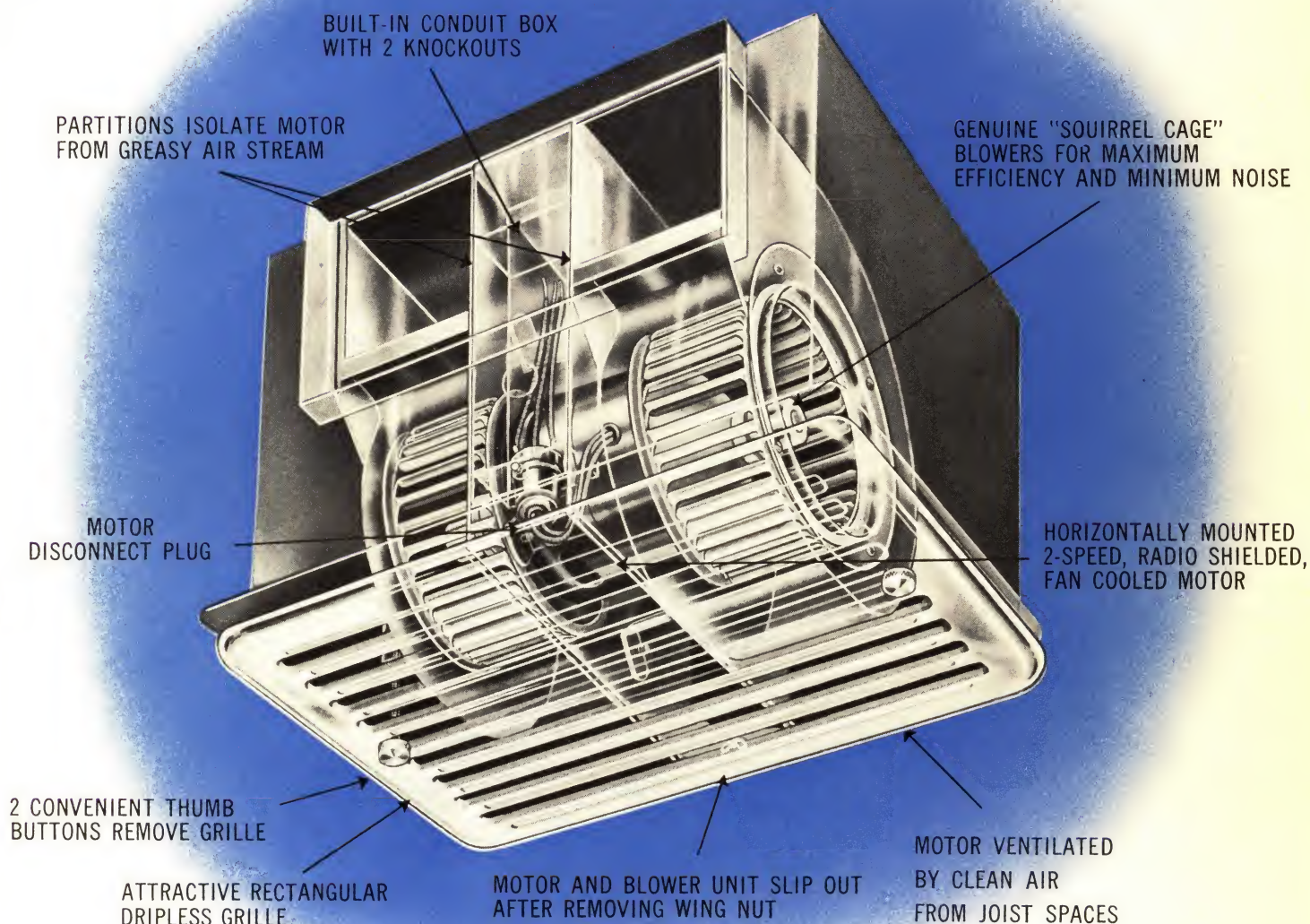
5

*isolate motor from
contaminated air
stream for long-
service life*

The motor in ventilating equipment must receive adequate *clean air* ventilation. Motors which are forced to operate within the contaminated air stream quickly accumulate dust and grease jeopardizing their trouble-free operation and materially shortening their service life. It obviously costs more to build a separate compartment for the Trade-Wind motor but 19 years of service experience with this equipment has conclusively demonstrated the value of the uncompromising design of Trade-Wind Clippers. Trade-Wind has always built *up* to quality — not *down* to price.



ADVANTAGES OF THE *TRADE-WIND* CLIPPER



Illustrated is model 2501 • Other models are similar.

It takes only the small, efficient Clipper Blower—properly located in the ceiling—for this common-sense job. The Clipper draws no more current than a 100-watt bulb. It is engineered to remove only the hot zone air. This means that a Clipper Blower won't rob a room of furnace heat in winter...or draw in excess heat and humidity in summer.

In the home kitchen the Clipper is installed directly above the stove, preventing grease and odors from drifting throughout the house to smudge walls and curtains. The Clipper is equally efficient for ventilating other small rooms in homes and commercial buildings. Installation is easily and cheaply done.

It is important to note that this is the only concealed ventilator having its motor entirely removed from the path of the hot, greasy air going through the blower—a patented feature that means a cooler, cleaner motor which requires less frequent lubrication and servicing.

GUARANTEE

The Trade-Wind Clipper Blower is guaranteed to the original owner for 5 years. Repairs or replacements are made on a pro-rata basis—the 1st year the entire cost is borne by the factory, 2nd year 4/5, 3rd year 3/5, 4th year 2/5, 5th year 1/5. Unit must be returned prepaid to factory.

MODEL 3501
550 CFM
FOR KITCHEN
CABINET
INSTALLATIONS

TRADE-WIND SUPER CLIPPER model 3501

FOR INSTALLATION IN CABINET OVER STOVE

The Trade-Wind Super Clipper has been developed to meet the demands of modern kitchen design. It is installed in a cabinet directly over the stove and is equipped with dual inlets—one above the stove and a second at the ceiling level. Both inlets are equipped with cleanable metal air filters. These are not visible but readily removable. The unit has twin blowers, isolated and radio shielded motor and 2-speed switch control. The Super Clipper is available without hood, or with either a stationary or fold under stainless steel

hood. The hoods are provided with a baffle plate to evenly distribute the suction over the entire range top. The unit has a white baked enamel finish.

Trade-Wind does not supply the cabinet. A large scale installation and dimensional drawing, similar to the small reproduction at the bottom of this page, is packed with each unit and is also available on request. It gives complete data for wood or metal cabinet installation. (A growing list of cabinet manufacturers supply cabinets especially made for the Super Clipper.)

SPECIFICATIONS

No. & Description	Cu. Ft. Room Content	Air Delivery CFM	Duct Size	Motor Watts	Ship. Wt. Lbs.	Carton Size & Cu. Ft.
3501 Two Wheels, for installation within Cabinet (without Hood) (With 25-35-2 Switch)	3000	550	13"x4"	185	53	23 1/4" x 22 3/4" x 17" 5.20
3501-1151 No. 3501 Complete with 42" Adjustable Hood (With 25-35-2 Switch)	3000	550	13"x4"	185	72*	23 1/4" x 22 3/4" x 17" 5.20
3501-1152 No. 3501 Complete with 39" Adjustable Hood (With 25-35-2 Switch)	3000	550	13"x4"	185	71*	23 1/4" x 22 3/4" x 17" 5.20
3501-1153 No. 3501 Complete with 42" Stationary Hood (With 25-35-2 Switch)	3000	550	13"x4"	185	66*	23 1/4" x 22 3/4" x 17" 5.20
3501-1154 No. 3501 Complete with 39" Stationary Hood (With 25-35-2 Switch)	3000	550	13"x4"	185	66*	23 1/4" x 22 3/4" x 17" 5.20
			115 Volts A.C.	60 Cycles		

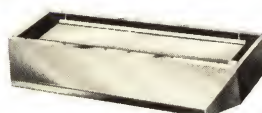
*Unit only. Hood shipped separately. See below for weight.

The 3501 complete assembly includes motor and wheel assembly, housing, 2 filters, 2-speed switch, 18" discharge duct, and soffit box, grille and 20" intake duct. Order hood by number and length.

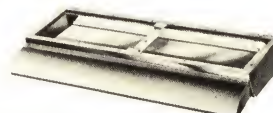
ACCESSORIES



F1133 Accessory Kit for discharge through a side wall. includes (1 to r) F1138-2 Transforming Elbow, F1138-4 and F1138-1 Offset Transitions and 2-210 Automatic Shutter. Ship. wt. 13 lbs. Carton 16" x 16" x 16 1/4". 2.41 cu. ft.



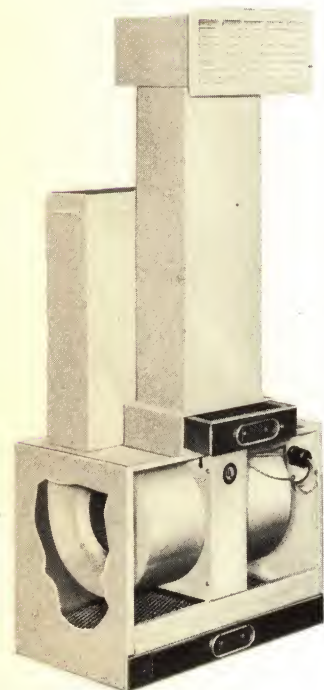
Stationary type stainless steel hood. No. 1153 is 42" long. No. 1154 is 39" long. Ship. wt. 13 lbs. Carton 42 1/2" x 17 1/4" x 5 1/4". 2.23 cu. ft.



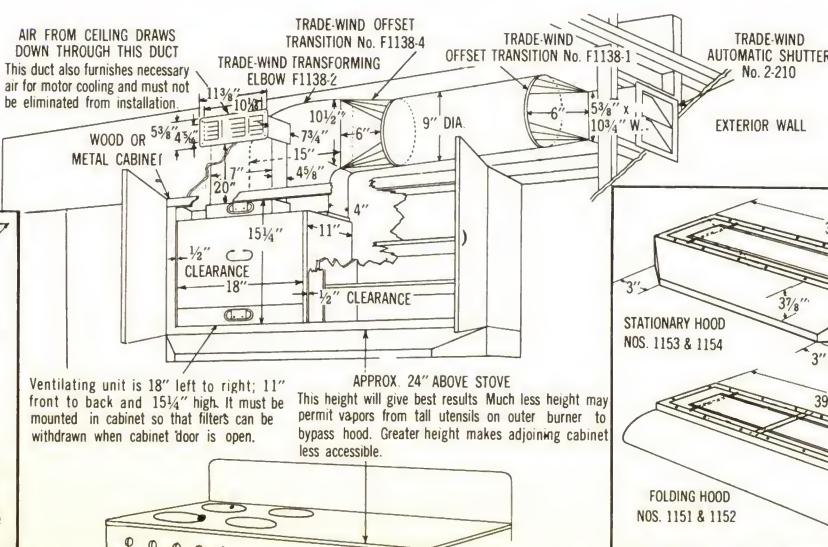
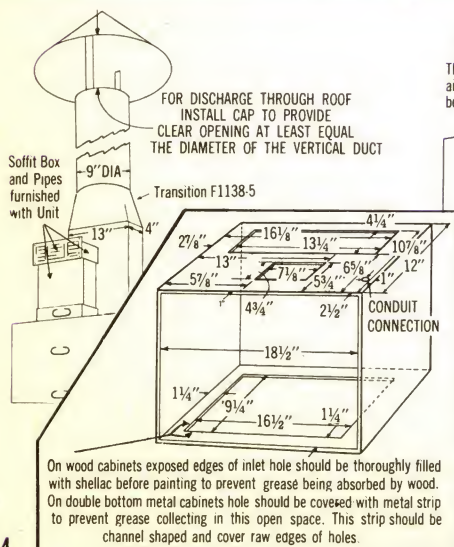
Fold-under type stainless steel hood No. 1151 is 42" long. No. 1152 is 39" long. Ship. wt. 19 lbs. Carton 44" x 15" x 7 1/2". 2.87 cu. ft.



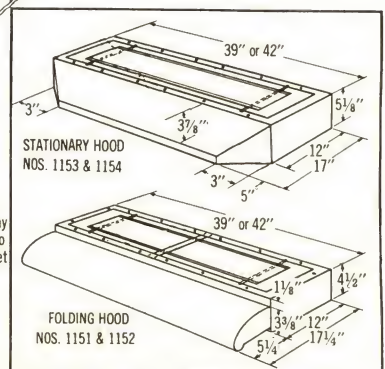
No. 25-35-2 Switch Control Unit, 2 speeds and "Off" supplied with unit, fits standard switch box. Ship. wt. 1 lb., Carton 6 1/4" x 3 3/4" x 1 1/2". .01 cu. ft.



This view of Model 3501 shows the blower assembly with front cover removed. Note the two inlets, each equipped with filter.



INSTALLATION OF MODEL 3501



TRADE-WIND CLIPPER model 2501

DUAL BLOWER UNIT FOR CEILING INSTALLATION

MODEL 2501
425 CFM
FOR CEILING
INSTALLATION IN
AVERAGE SIZE KIT-
CHEN, LAUNDRY,
DEN, DARKROOM,
X-RAY ROOM,
ETC.

This popular ceiling model is ideally suited to the average size kitchen, laundry, den, game room or other enclosures up to 2000 cu. ft. content. It has dual centrifugal blowers. The radio shielded motor, which is fully isolated from the contaminated air stream, has a 2-speed switch control. The discharge opening is interchangeable on the job from horizontal to vertical. As illustrated at the right, both

the grille and blower assembly are easily removed for cleaning or service. A built-in disconnect plug facilitates removal. The metal housing, which is permanently installed within the joist space, has a built-in conduit box and convenient knockouts. Housing and blower assembly painted in silver gray hammertone. Grille is non-tarnish satin finish (Alcoa process R-5 bright dip, aluminite coating).

SPECIFICATIONS

No. & Description	Cu. Ft. Room Content	Air Delivery CFM	Duct. Size	Motor Watts	Ship. Wt. Lbs.	Carton Size & Cu. Ft.
2501, 2 wheels, 2-speed control, horizontal or vertical discharge.	2000	425	10" x 3 1/2"	145	28	16 1/4" x 12 3/8" x 11 3/4" 1.40

115 Volts A.C. 60 Cycles

The 2501 complete assembly includes housing, motor and wheel assembly, grille and 2-speed switch.

ACCESSORIES

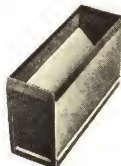
WALL CAP & AUTOMATIC SHUTTER. This combination unit has the same duct size as the blower discharge. For horizontal use only.



No. 1255-1 for Model 2501. Overall dimensions 5 3/8" high x 11 3/8" wide x 8 3/4" deep. Takes standard 3 1/2" x 10" duct. Carton 11 3/4" x 9 3/4" x 6", .4 cu. ft. Ship. wt. 3 lbs.



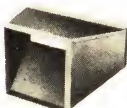
BACKDRAFT DAMPER. Can be used for either vertical or horizontal discharge.



No. 1255-2 for Model 2501. Overall dimensions 10 1/8" wide x 3 9/16" deep x 6 7/8" high. Takes standard 3 1/2" x 10" furnace duct. Carton 11 3/4" x 9 3/4" x 6", .4 cu. ft. Ship. wt. 2 lbs.



SQUARE DUCT TRANSITION. For converting blower discharge to square duct.



No. 1255-3 for Model 2501. Converts 3 1/2" x 10" discharge to 6" square. Carton 10 1/2" x 8 1/4" x 6 1/4", .31 cu. ft. Ship. wt. 2 lbs.



ROUND DUCT TRANSITION. For converting blower discharge to round duct.



No. 1255-4 for Model 2501. Converts 3 1/2" x 10" discharge to 6" round. Carton 10 1/2" x 8 1/4" x 6 1/4", .31 cu. ft. Ship. wt. 2 lbs.

GRILLE EXTENSION PLATES

Where standard grille will not cover hole in ceiling use these extension plates.

No. AG-9-4 16" x 18" for Model 2501, Ship. wt. 2 lbs., Carton 18 1/2" x 16 1/2" x 1 1/4", .22 cu. ft.

No. AG-9-5 18" x 20" for Model 2501, Ship. wt. 2 lbs., Carton 20 1/2" x 18 1/2" x 2", .44 cu. ft.

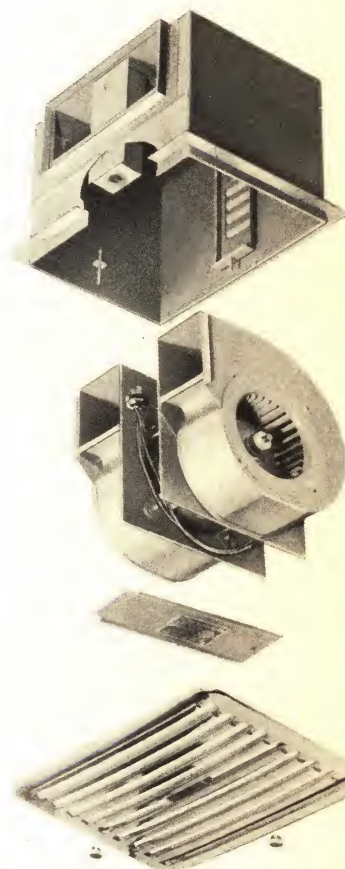
DRIPLESS GRILLE

The exclusive Clipper dripless grille eliminates sticky, unsightly appearance of ordinary grille. Rim and bars are recessed on inside to retain grease and moisture between cleaning periods.

No. AG-9S For Model 2501, 10 1/4" x 15 3/8". Ship. wt. 1 lb., Carton 16 1/4" x 11 1/4" x 1 1/4", .13 cu. ft.

CONTROL SWITCH

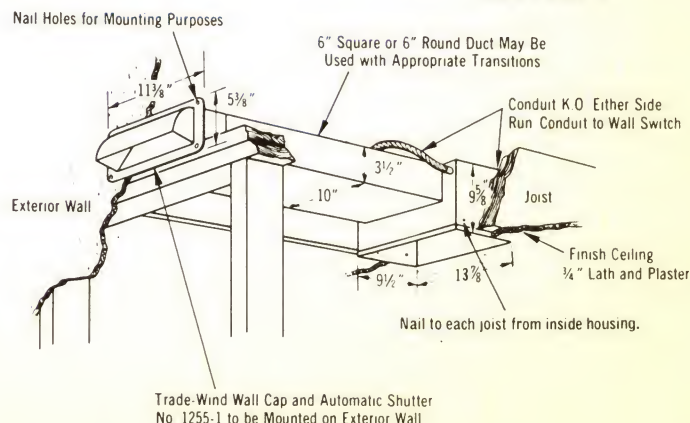
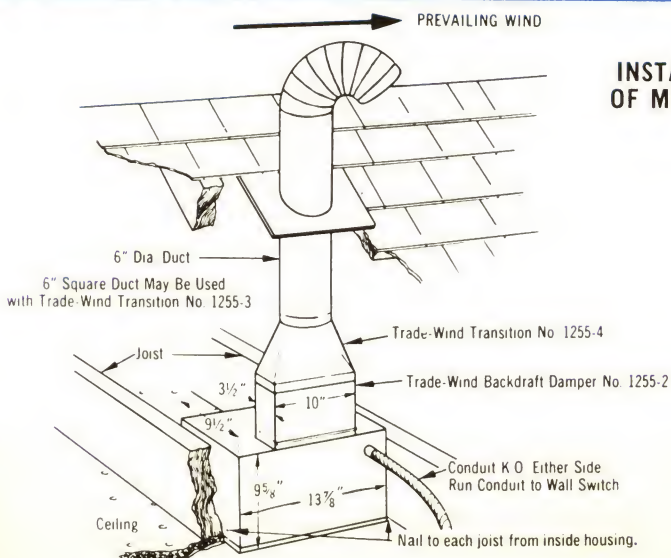
No. 25-35-2 Switch Control Unit, 2 speed and "Off" supplied with unit, fits standard switch box. Ship. wt. 1 lb., Carton 6 1/4" x 3 3/4" x 1 1/2", .01 cu. ft.



Illustrated above is Model 2501 arranged for horizontal discharge. Note how blower unit and grille are easily removed. Housing is permanently installed in joist space.

INSTALLATION OF MODEL 2501

FOR DETAIL OF FEATURES
SEE PAGE 3



MODEL 1501
300 CFM
FOR CEILING
INSTALLATION IN
SMALL KITCHENS,
LAUNDRY, DEN,
TICKET BOOTHS,
DARKROOMS,
X-RAY ROOMS

TRADE-WIND CLIPPER model 1501

DUAL BLOWER UNIT FOR CEILING INSTALLATION

Trade-Wind new Model 1501 Clipper for ventilating rooms up to 1000 cu. ft. incorporates all the experience and know-how that Trade-Wind has gained in 19 years of building highest quality ventilating equipment. It's the first low cost, dual blower ventilator with interchangeable discharge.

The radio shielded motor is housed in a compart-

ment outside the contaminated air stream. There is a built-in conduit box with motor disconnect plug. The blower assembly and grille are easily removed for cleaning or service. Housing and blower assembly painted in silver gray hammertone. Grille is non-tarnish satin finish (Alcoa process R-5 bright dip with aluminite coating). Several types of switch controls and other accessories are available.

SPECIFICATIONS

No. & Description	Cu. Ft. Room Content	Air Delivery CFM	Duct Size	Motor Watts	Ship. Wt.	Carton Size & Cu. Ft.
1501, 2 wheels interchangeable horizontal or vertical discharge.	1000	300	3 1/2" x 10"	90	18 lbs.	16 1/4" x 11 1/4" x 10" 1.06 cu. ft.
			115 Volts A.C. 60 Cycles			

Complete assembly includes housing, motor and wheel assembly and grille.

ACCESSORIES

WALL CAP & AUTOMATIC SHUTTER. This combination unit has the same duct size as the blower discharge. For horizontal use only.

No. 1255-1 for Model 1501. Overall dimensions 5 3/8" high x 11 3/8" wide x 8 3/4" deep. Takes standard 3 1/2" x 10" duct. Carton 11 3/4" x 9 3/4" x 6", .4 cu. ft. Ship. wt. 3 lbs.

BACKDRAFT DAMPER. Can be used for either vertical or horizontal discharge.

No. 1255-2 for Model 1501. Overall dimensions 10 1/8" wide x 3 9/16" deep x 6 7/8" high. Takes standard 3 1/2" x 10" furnace duct. Carton 11 3/4" x 9 3/4" x 6", .4 cu. ft. Ship. wt. 2 lbs.

SQUARE DUCT TRANSITION. For converting blower discharge to square duct.

No. 1255-3 for Model 1501. Converts 3 1/2" x 10" discharge to 6" square. Carton 10 1/2" x 8 1/4" x 6 1/4", .31 cu. ft. Ship wt. 2 lbs.

ROUND DUCT TRANSITION. For converting blower discharge to round duct.

No. 1255-4 for Model 1501. Converts 3 1/2" x 10" discharge to 6" round. Carton 10 1/2" x 8 1/4" x 6 1/4", .31 cu. ft. Ship wt. 2 lbs.

DRIPLESS GRILLE. Eliminates sticky, unsightly appearance of ordinary grilles. Rim and bars are recessed on inside to retain grease and moisture between cleaning periods.

No. AG-9S for Model 1501. 10 1/4" x 15 3/8". Ship. wt. 1 lb. Carton 16 1/4" x 11 1/4" x 1 1/4", .13 cu. ft.

GRILLE EXTENSION PLATES. Where standard grille will not cover hole in ceiling, use these extension plates. No. AG-9-6, 16" x 18" for Model 1501. Ship. wt. 2 lbs. Carton 18 1/2" x 16 1/2" x 1 1/4", .22 cu. ft.

No. AG-9-7, 18" x 20" for Model 1501. Ship. wt. 2 lbs. Carton 20 1/2" x 18 1/2" x 2", .44 cu. ft.

CONTROLS. All units fit standard switch boxes. Switch and pilot standard Despard or Hubbell material. These controls only for Model 1501.

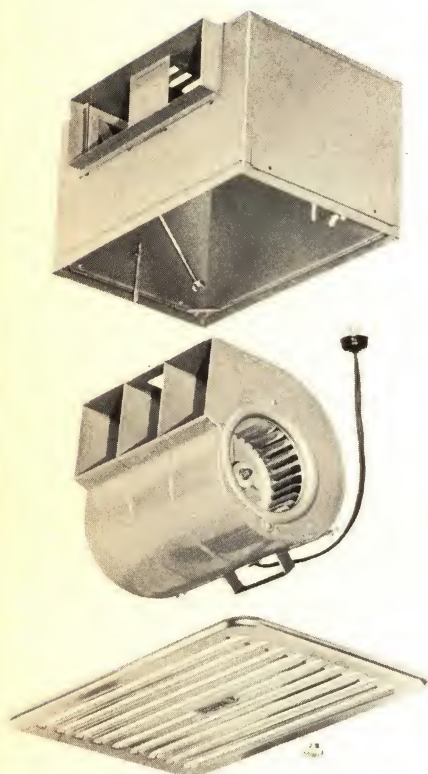
No. 13-14-2 Choke coil unit, 2 speeds and "Off." Ship. wt. 1 lb. Carton 5" x 3" x 2 3/4", .02 cu. ft.



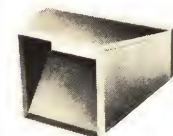
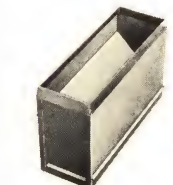
No. A-13-14-25 Switch control unit (motor control only), 1 single pole switch. Ship. wt. 1 lb. Carton 4 3/4" x 3" x 2 3/4", .02 cu. ft.

No. B-13-14-25 Switch control unit (motor and light), 2 single pole switches. Ship. wt. 1 lb. Carton 4 3/8" x 3" x 2 3/4", .02 cu. ft.

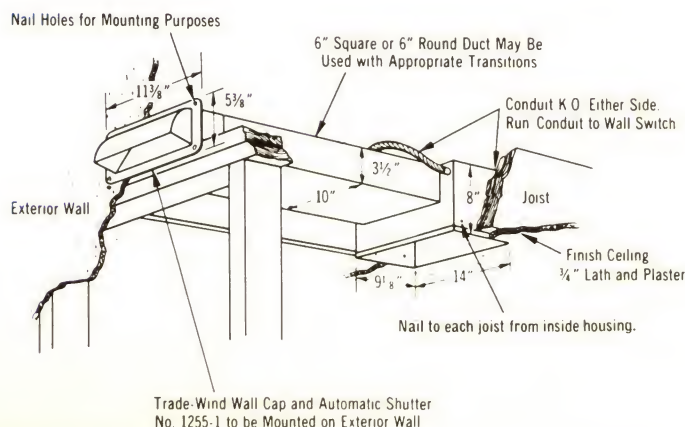
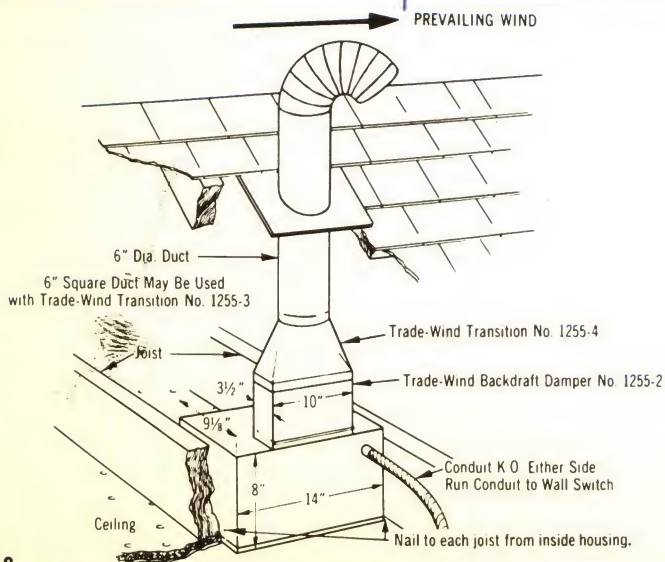
No. C-13-14-25 Switch control unit (motor with pilot light), 1 switch and 1 pilot light. Ship. wt. 1 lb. Carton 4 3/4" x 3" x 2 3/4", .02 cu. ft.



Motor and blower unit of Model 1501 are easily removed for cleaning or service.



INSTALLATION OF MODEL 1501



TRADE-WIND CLIPPER model 1201

SINGLE BLOWER UNIT FOR CEILING INSTALLATION

MODEL 1201
100 CFM
FOR BATHROOMS

This Trade-Wind Clipper model has been especially developed for bathroom ventilating to remove the moisture and dampness from tub and shower as well as all objectionable odors. It is a small, compact unit with a quiet, efficient centrifugal blower. The motor is located outside the air stream. There is a built-in conduit box with motor

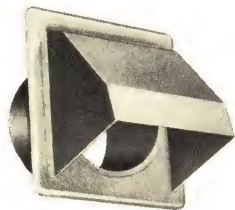
disconnect plug. A back-draft damper is built into the discharge opening. The grille and blower unit are easily removed. The unit is finished in gray hammertone with white enamel grille. A time delay switch is available with this unit. The switch can be set to shut off the blower at any time up to 30 minutes. It fits into a standard single gang switch box and is connected in the usual way.

SPECIFICATIONS

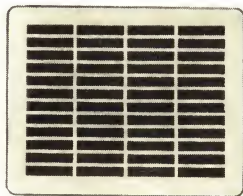
No. & Description	Room Size	Air Delivery CFM	Duct Size	Motor Watts	Ship. Wt. Lbs.	Carton Size & Cu. Ft.
1201 Single Wheel Horizontal Discharge	Both Rooms Only	100	4" Round	60	15	10 1/4" x 9 1/4" x 8 3/4"
				115 Volts A.C. 60 Cycles	.48	

Complete assembly includes housing, motor and wheel assembly and grille.

ACCESSORIES



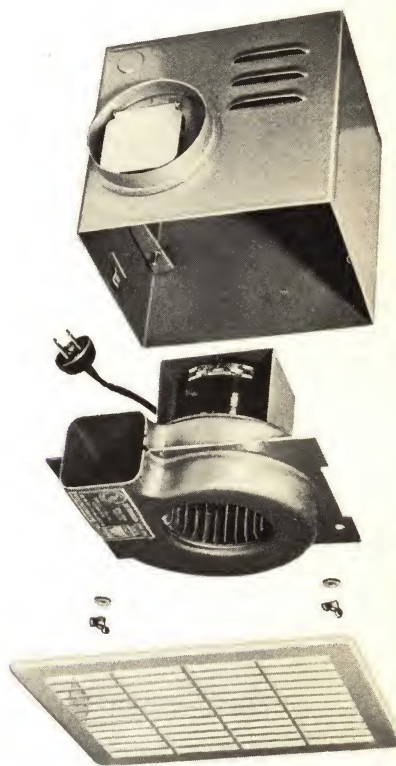
No. F-1212 Wall Cap. Split collar on cap fits into standard 4" round pipe. Overall dimensions 6" x 6". Hood projects 3 3/8". Ship. wt. 2 lbs., Carton 7" x 7" x 7", .20 cu. ft.



No. AG-8 Standard Grille. White enamel finish. 7 3/8" x 9 3/8", Ship. wt. 1 lb., Carton 13" x 9" x 3 1/2", .24 cu. ft.

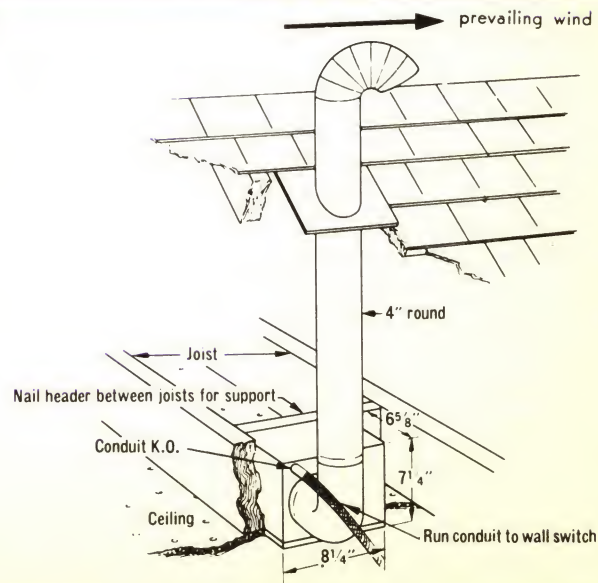
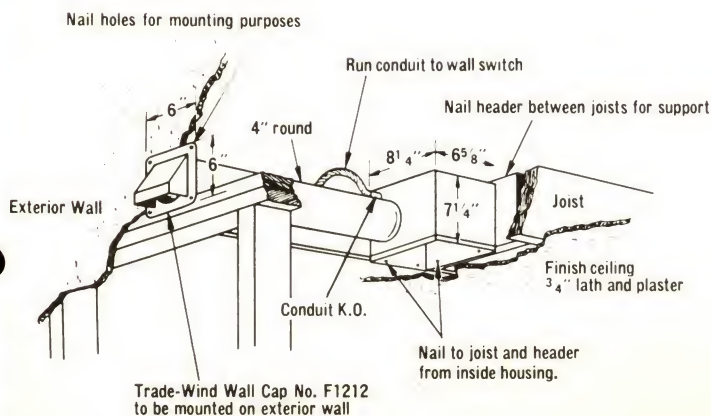


No. F-1285 Time Delay Switch. Dial can be set for any time up to 30 minutes. Automatically turns off ventilator. Fits standard switch box. Ship. wt. 1 lb., Carton 5 1/2" x 3 1/2" x 3 3/4", .04 cu. ft.



Motor and blower unit of Model 1201 are easily removed for cleaning or service.

INSTALLATION OF MODEL 1201



SALES REPRESENTATIVES

Complete Stock Carried in Many Districts

CALIFORNIA: (Northern Part); George H. Curtiss, 222 29th St., Oakland 11
CALIFORNIA: (Southern Part); Trade-Wind Motorfans, Inc., 5725 So. Main Street, Los Angeles 37
COLORADO: W. G. Cline & Co., 802 12th Street, Denver 4
ALSO: Utah, New Mexico, Wyoming, Montana and Idaho
FLORIDA: H. C. Biglin Co., Inc., 177 Harris St., N.W., Atlanta 3, Ga.
GEORGIA: H. C. Biglin Co., Inc., 177 Harris St., N.W., Atlanta 3, Ga.
ALSO: North Carolina, South Carolina, Florida, Alabama, Tennessee and Mississippi
ILLINOIS: Seegmiller and Hess, Inc., 540 Lake Shore Drive, Chicago 11
ALSO: Wisconsin
IOWA: L. C. Hardie, P. O. Box 1491, Des Moines
ALSO: Nebraska and South Dakota
LOUISIANA: Cressy Sales Co., 809 Royal Street, New Orleans 16
MASSACHUSETTS: Harry Adelson, 839 Beacon Street, Boston 15
ALSO: Maine, New Hampshire, Vermont and Rhode Island
MICHIGAN: Vine B. Peters, Charlotte, Michigan
ALSO: Northern Parts of Indiana and Ohio
MINNESOTA: Clark-Warmington Associates, 423 South 11th St., Minneapolis 4
ALSO: North Dakota
MISSOURI: Curt H. Conrad Company, 4001 Broadway, Kansas City 2
ALSO: Arkansas, Kansas and Oklahoma
NEW JERSEY: Wallace L. Warren Company, 104 Prospect Street, Westfield, New Jersey. (Northern Half of State only.)
NEW YORK: Walter E. Daw, 1155 Oswego Blvd., Syracuse, New York (Upper New York State only.)
NEW YORK CITY: T. O. Gronlund Company, 101 Park Avenue, New York 17. (Metropolitan New York District.)
OHIO: Southern Agencies, P.O. Box 1033, Cincinnati 2
ALSO: Kentucky and Southern Indiana
OREGON: Wm. O. Proby & Associates, 135 N. W. Park, Portland 9
PENNSYLVANIA: Wall and Holloway, Inc., 122 So. 22nd Street, Philadelphia 3.
NOTE: Eastern Half of Penna. only.
ALSO: Parts of Delaware and New Jersey
PENNSYLVANIA: V. E. Hendrickson Company, 4412 Liberty Ave., Pittsburgh 24. (Western Half of State only.)
ALSO: West Virginia.
TEXAS: Arthur S. Jones, 306 Canterbury Hill, San Antonio 2. (NOTE: Bexar County only.)
TEXAS: L. R. Ward Company, 2711 Commerce Street, Dallas 1
VIRGINIA: American Engineering Equipment Corporation, 122 No. Fayette St., Alexandria
ALSO: Washington, D. C., Maryland & Parts of Delaware & West Virginia.
WASHINGTON: Wm. O. Proby & Associates, 817 1/2 Fifth Avenue North, Seattle 9
FOREIGN DIVISION: Frazer & Hansen, Ltd., 301 Clay Street, San Francisco 11, California. Branches: New York — Los Angeles.

TRADE-WIND MOTORFANS, INC.

5725 SOUTH MAIN STREET

• LOS ANGELES 37, CALIFORNIA

SUGGESTED SPECIFICATIONS FOR ARCHITECTS

(For Ceiling Models.) Furnish and install as specified or as indicated on the plans No. Trade-Wind Clipper Ventilator, manufactured by Trade-Wind Motorfans, Inc., Los Angeles, Calif. Ventilator to have motor removed from airstream and equipped with dripless grille. Duct to be run from unit to outside location as shown and equipped with a Trade-Wind Automatic Shutter No.

(For Cabinet Models.) Furnish and install in cabinet location over range as specified or as indicated on the plans No. Trade-Wind Super Clipper Ventilator, manufactured by Trade-Winds Motorfans, Inc., Los Angeles, Calif. Duct to be run from unit to outside location as shown and equipped with a Trade-Wind Automatic Shutter No. 2-210.